IN THE DRAWINGS

Please cancel the as-filed drawing sheets 1-12 and substitute the enclosed replacement sheets 1-15 (see Appendix). In the replacement sheets, Fig. 8 has been entered in a proper position in the sequence.

In Figs. 2, 3, 4, 5, 6A-6F, the class names remain in the figure with the reference numerals. Since there is no necessity to include the disappearing class intervals (function/variable names, etc.) to the description, the internal details thereof have been omitted to make room for the class names.

In Fig. 4, it has been made into a landscape drawing to accommodate itself on a single sheet to cope with the small size issue.

APPENDIX

Replacement Sheet

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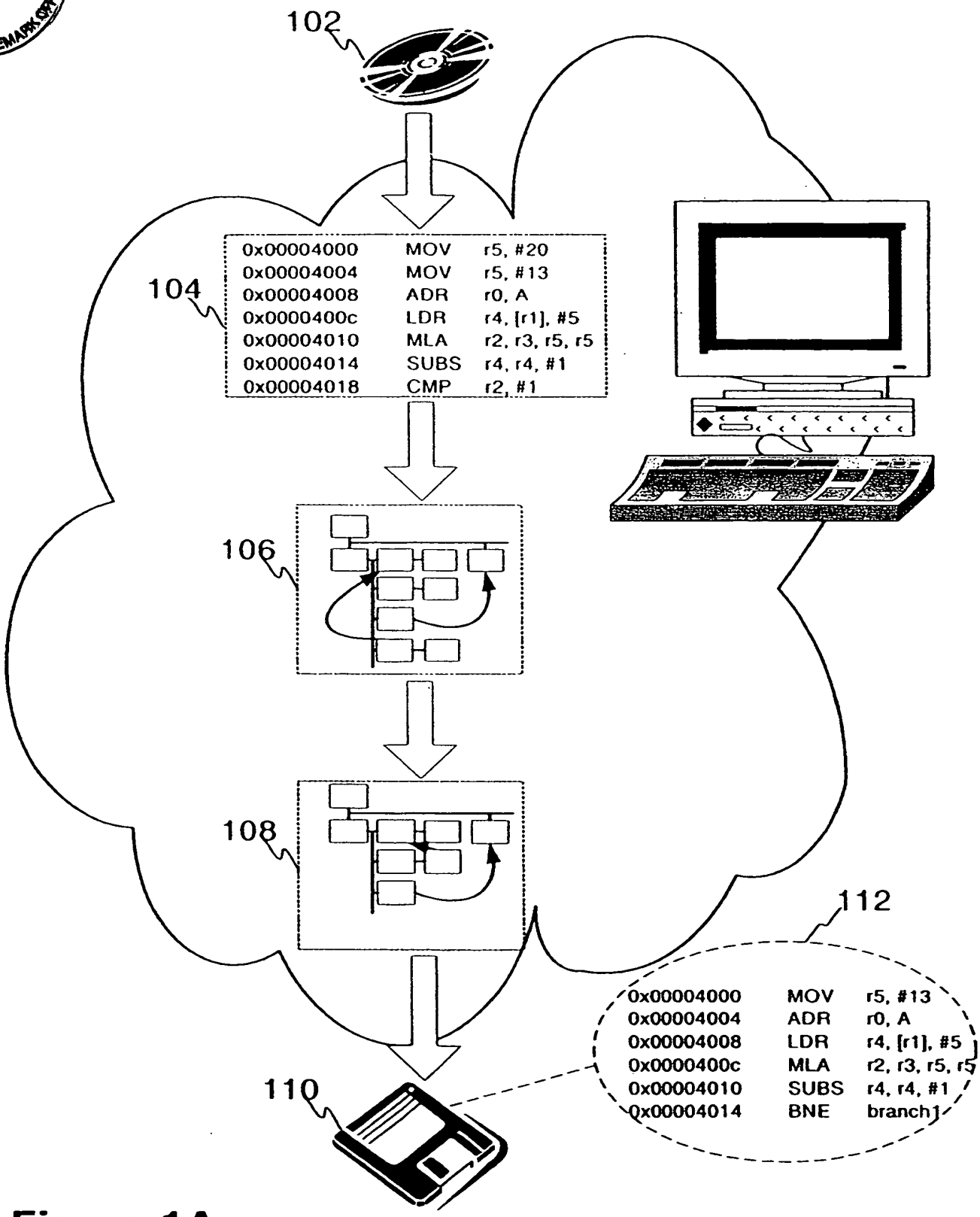

Figure 1A

Replacement Sheet

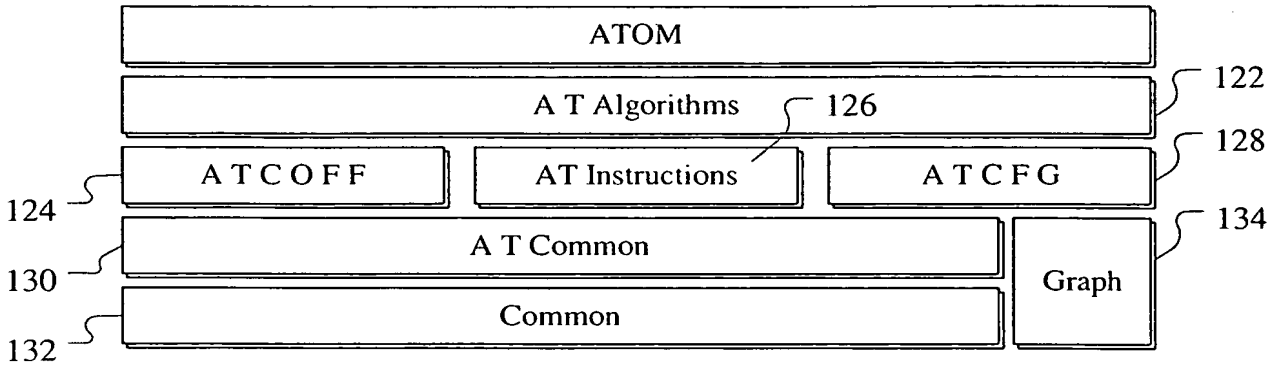

FIG. 1B

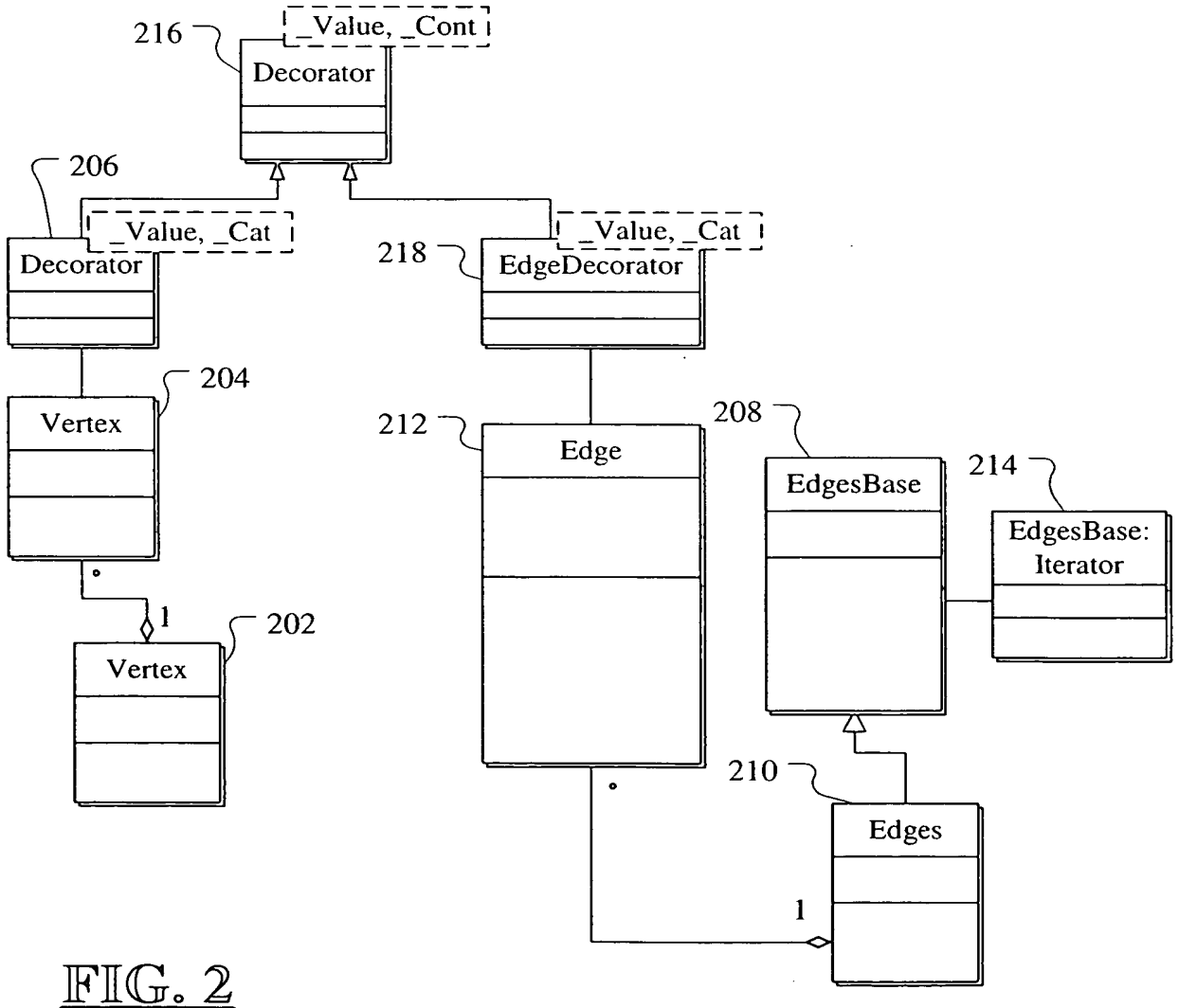

FIG. 2

Replacement Sheet

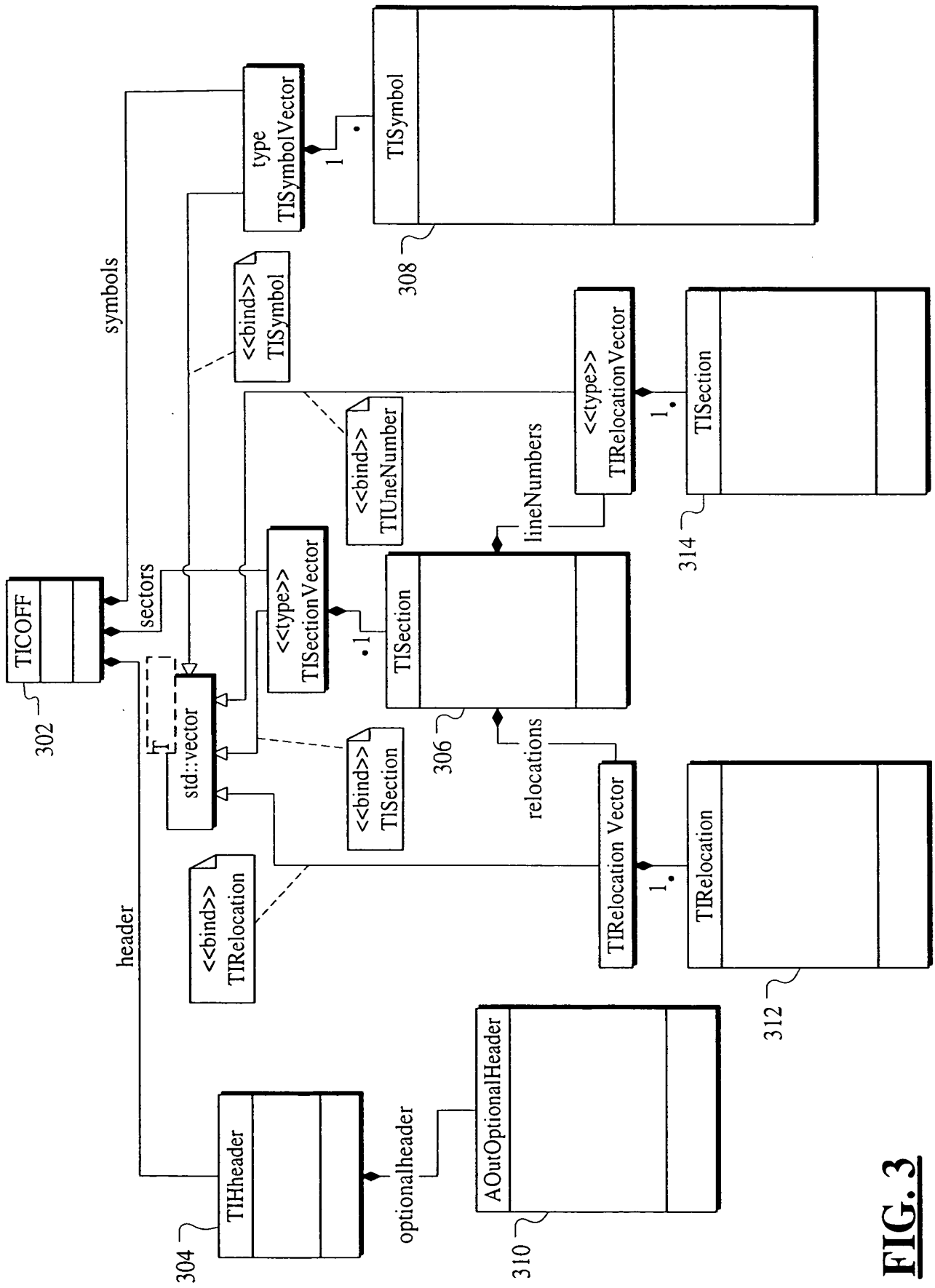

FIG. 3

Replacement Sheet

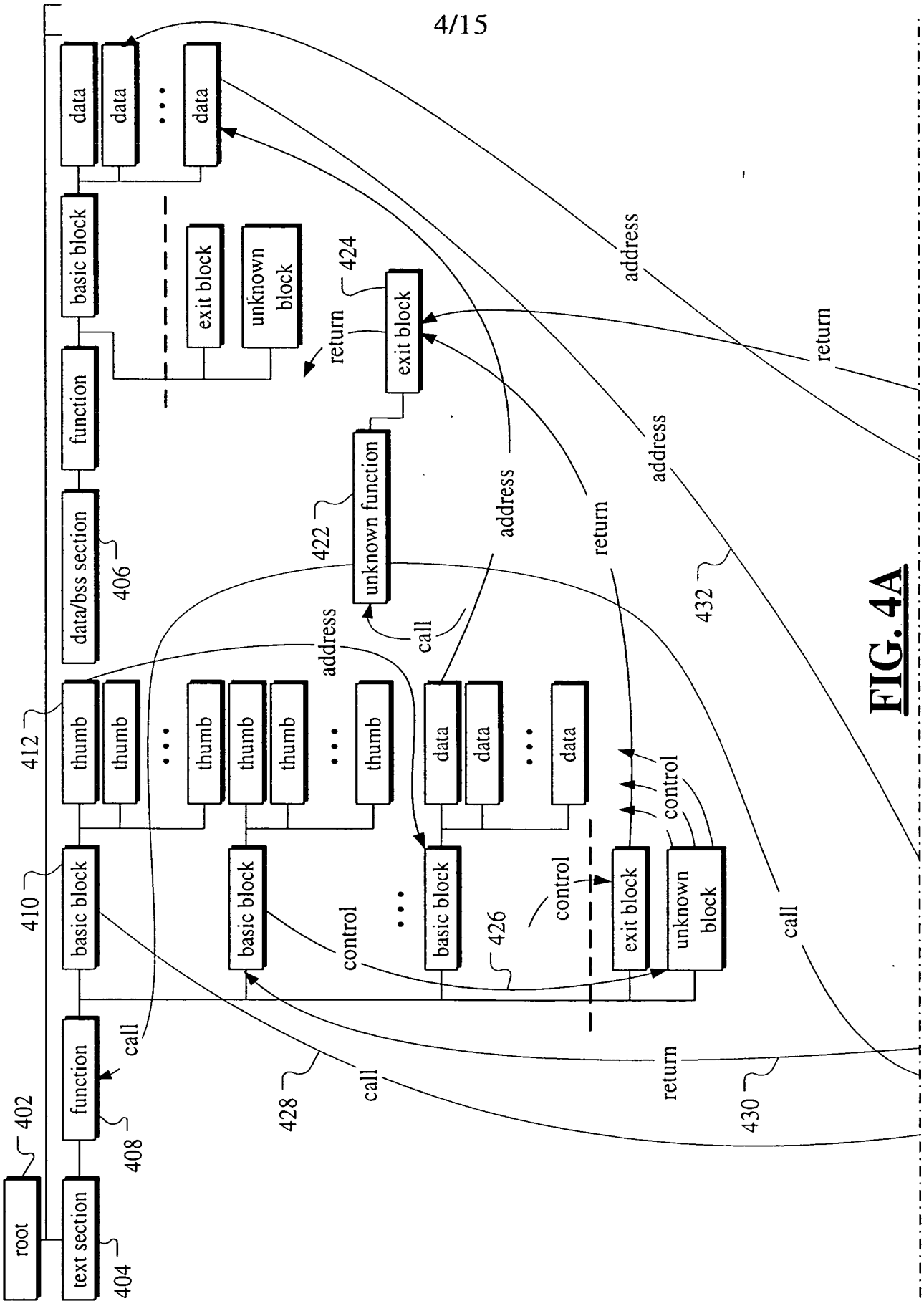

FIG. 4A

Replacement Sheet

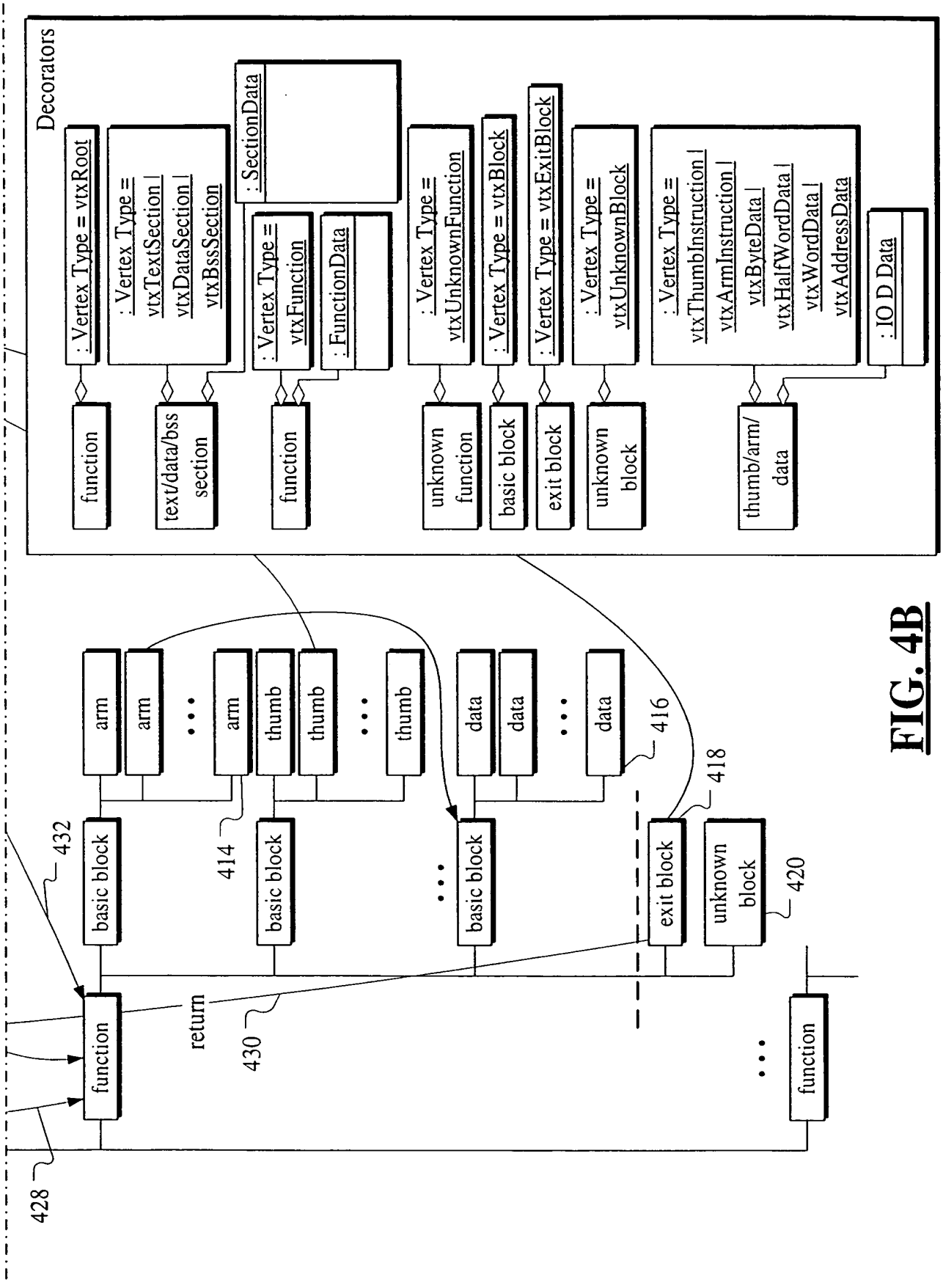

FIG. 4B

Replacement Sheet

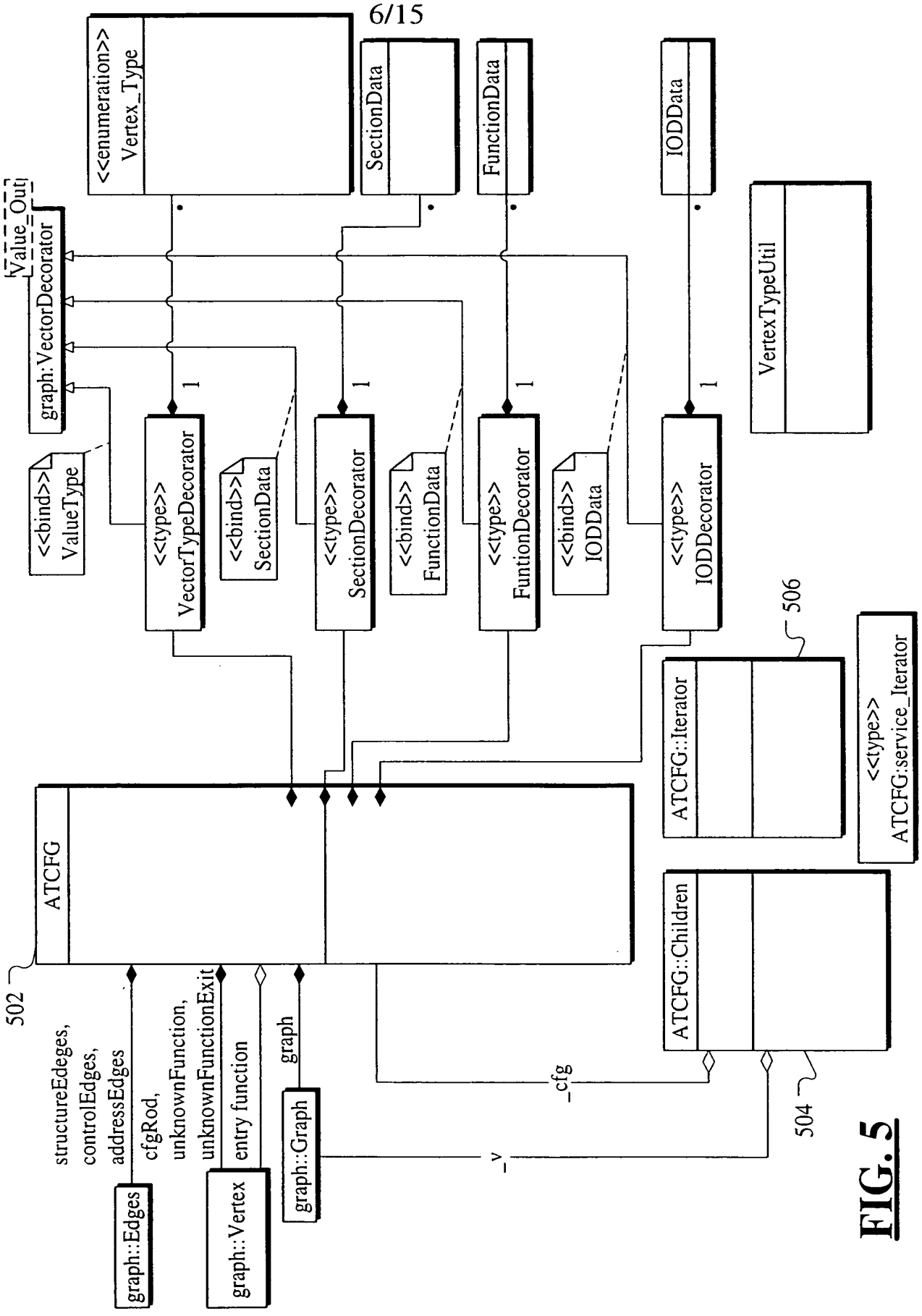

FIG. 5

Replacement Sheet

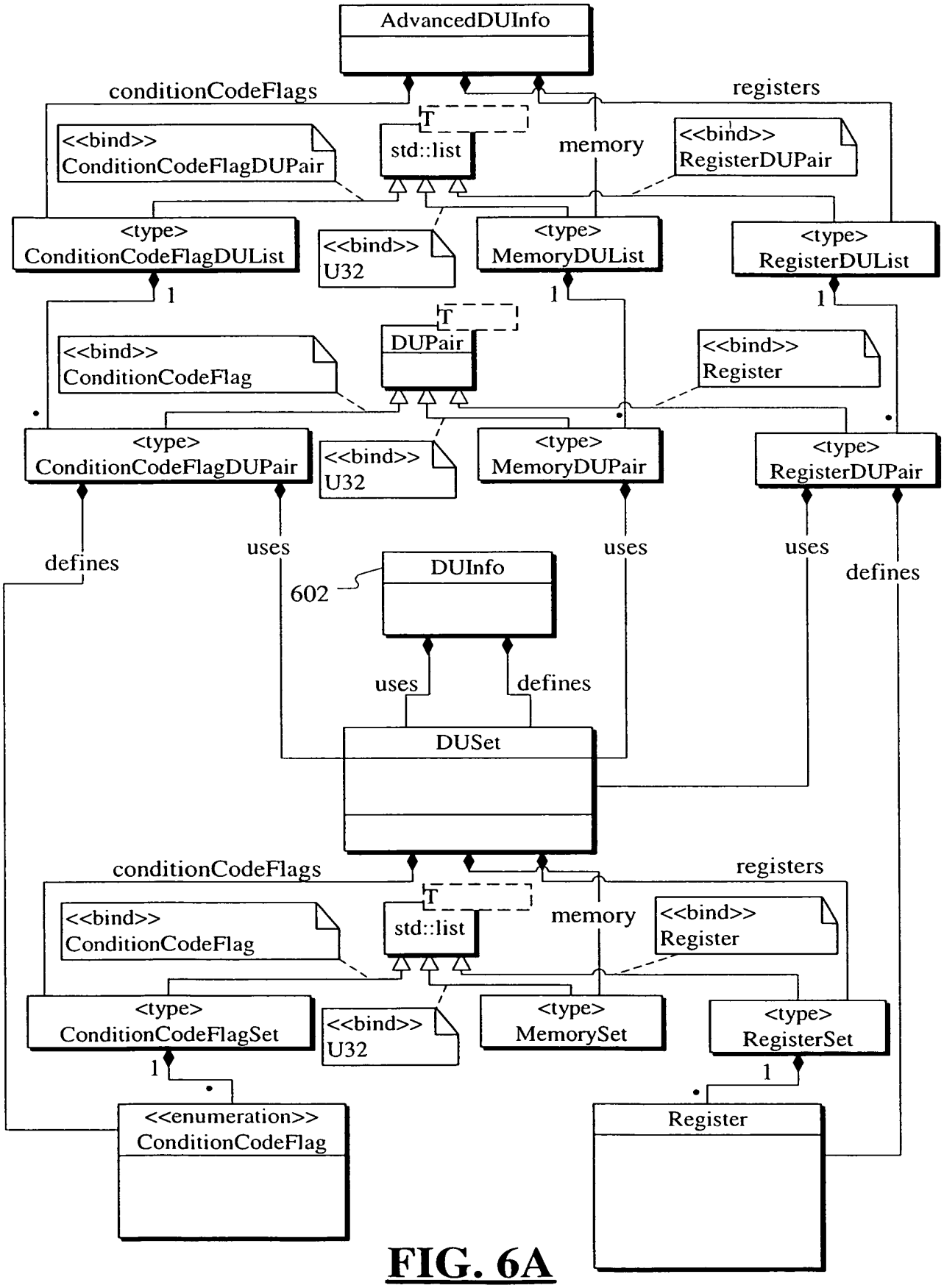

FIG. 6A

Replacement Sheet

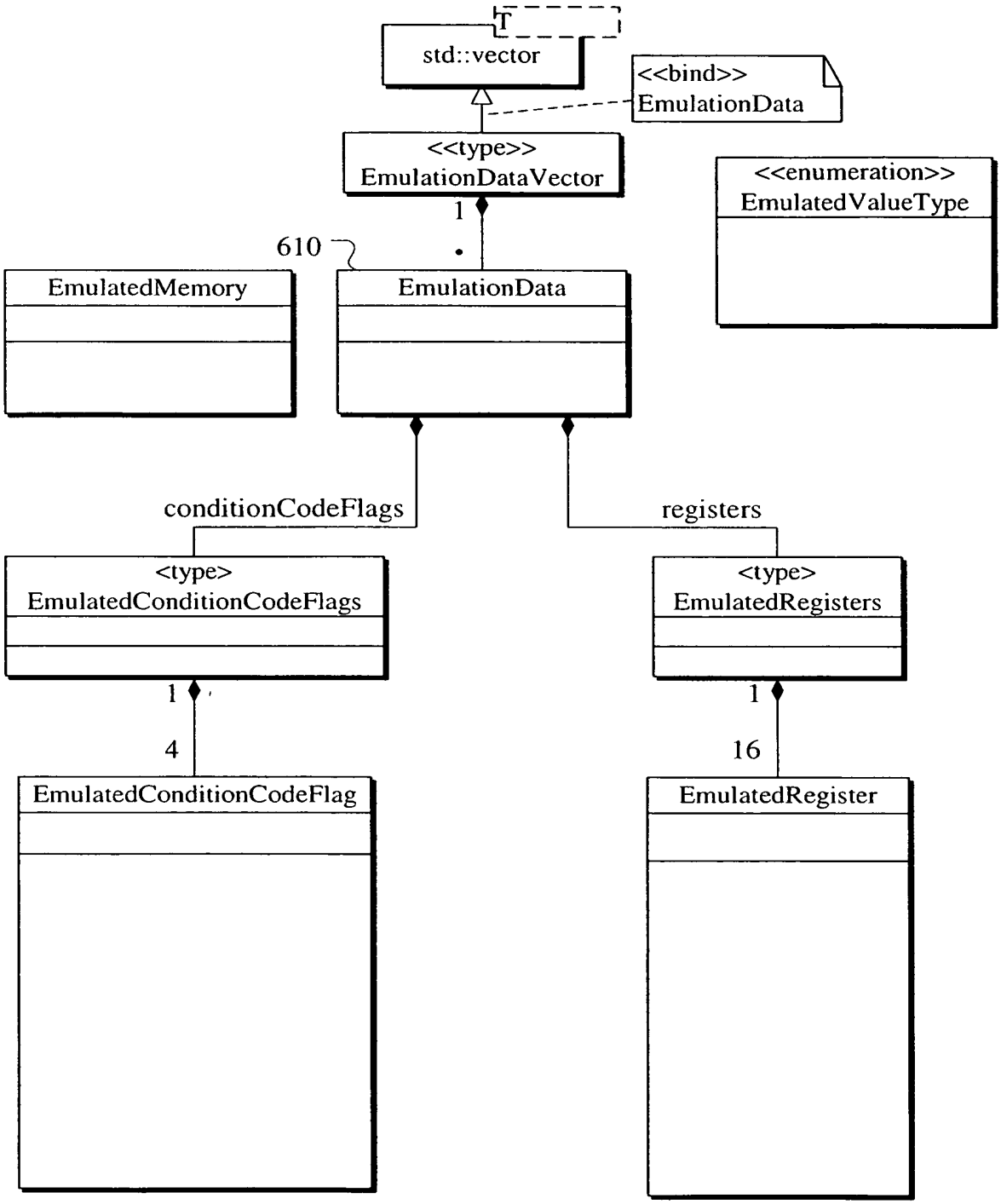

FIG. 6B

Replacement Sheet

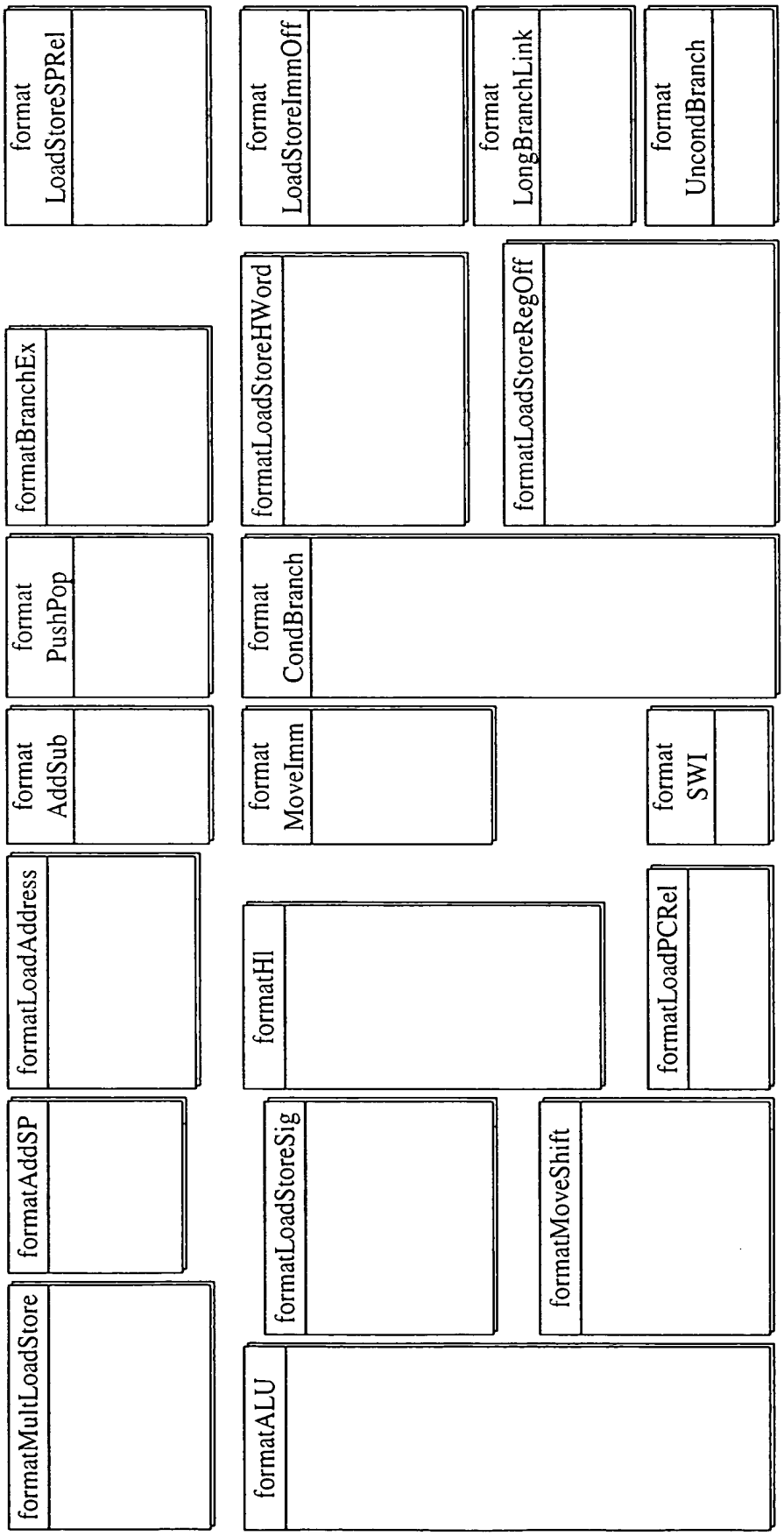

FIG. 6C

Replacement Sheet

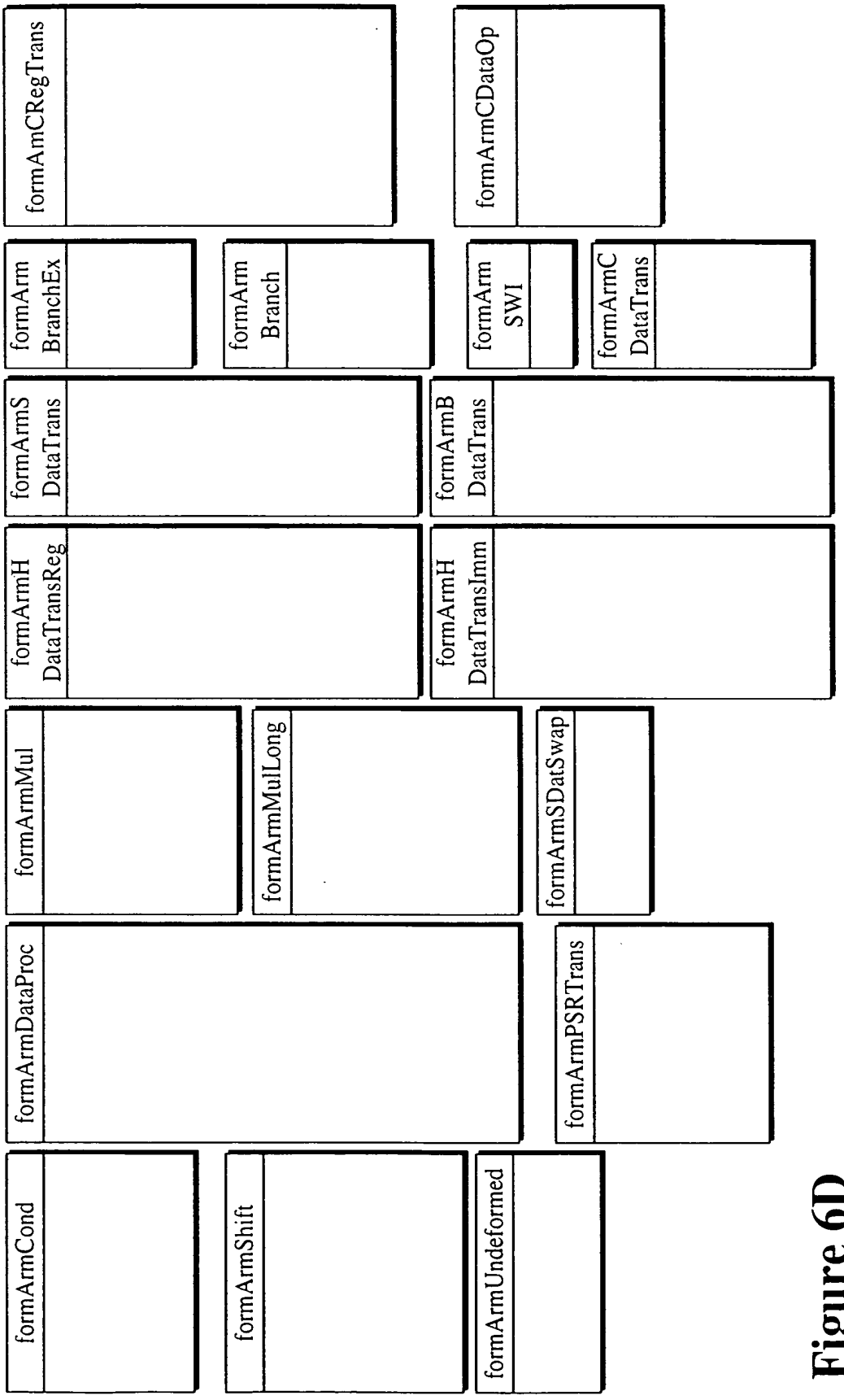

Figure 6D

Replacement Sheet

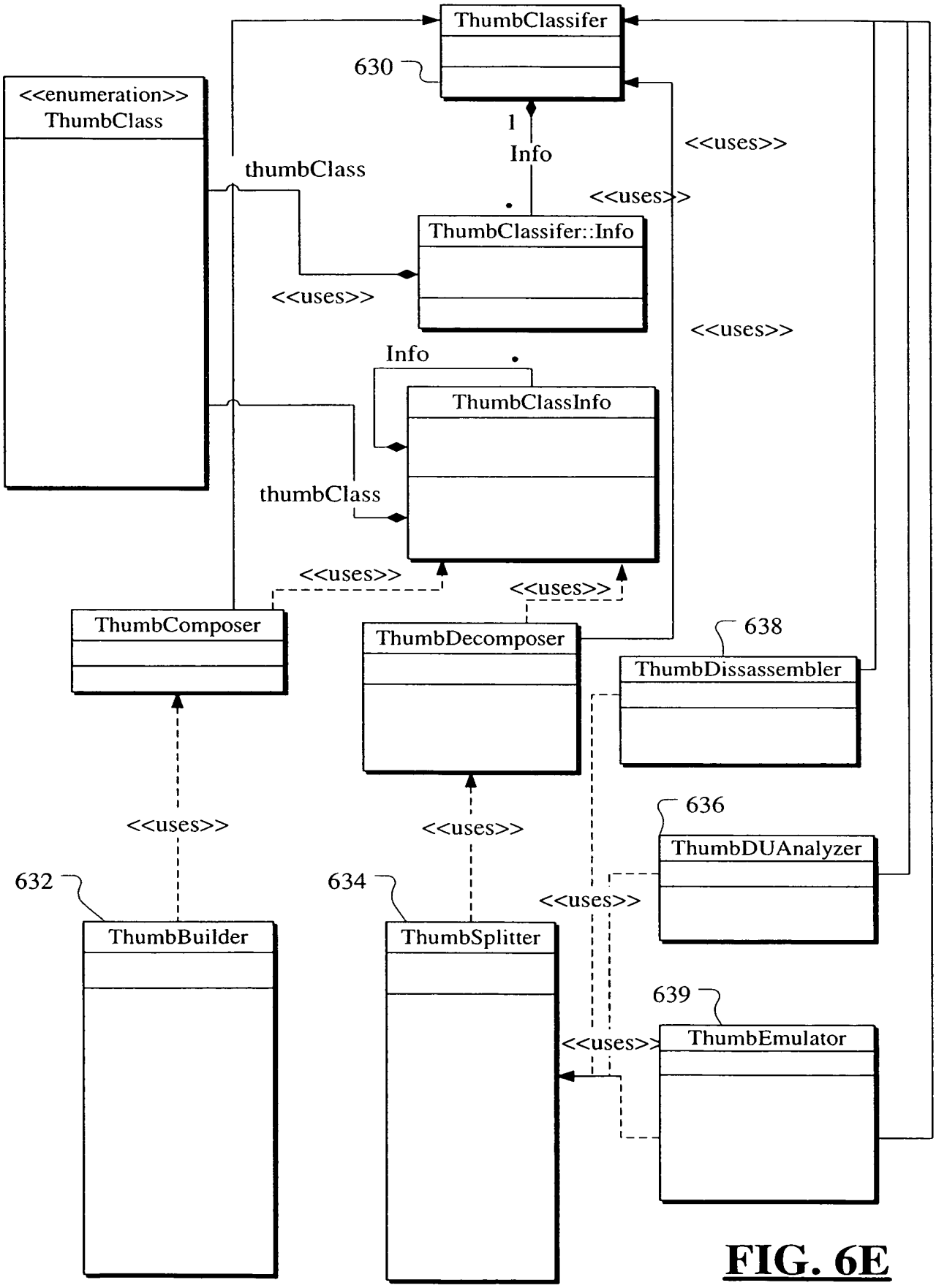

FIG. 6E

Replacement Sheet

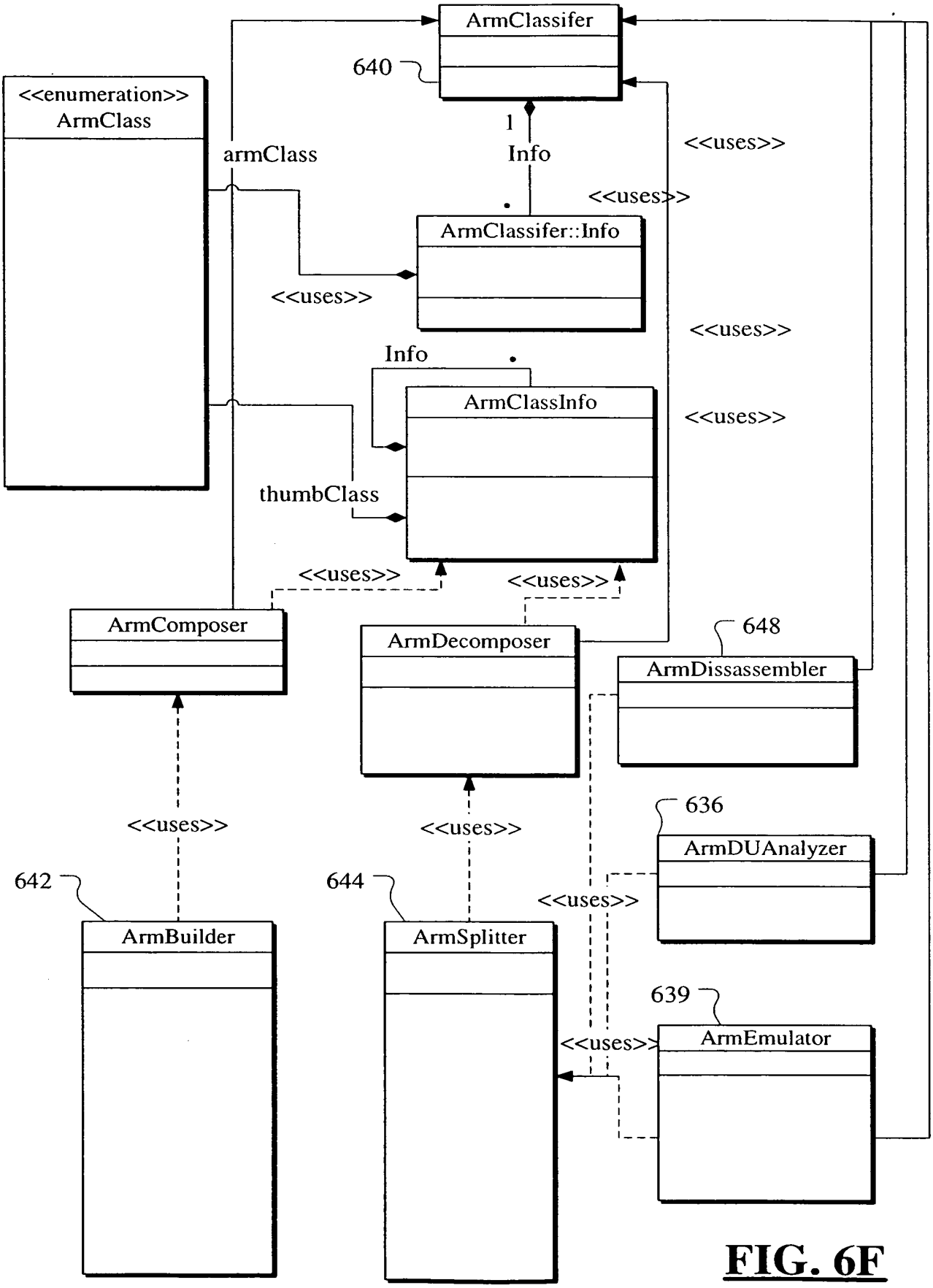

FIG. 6F

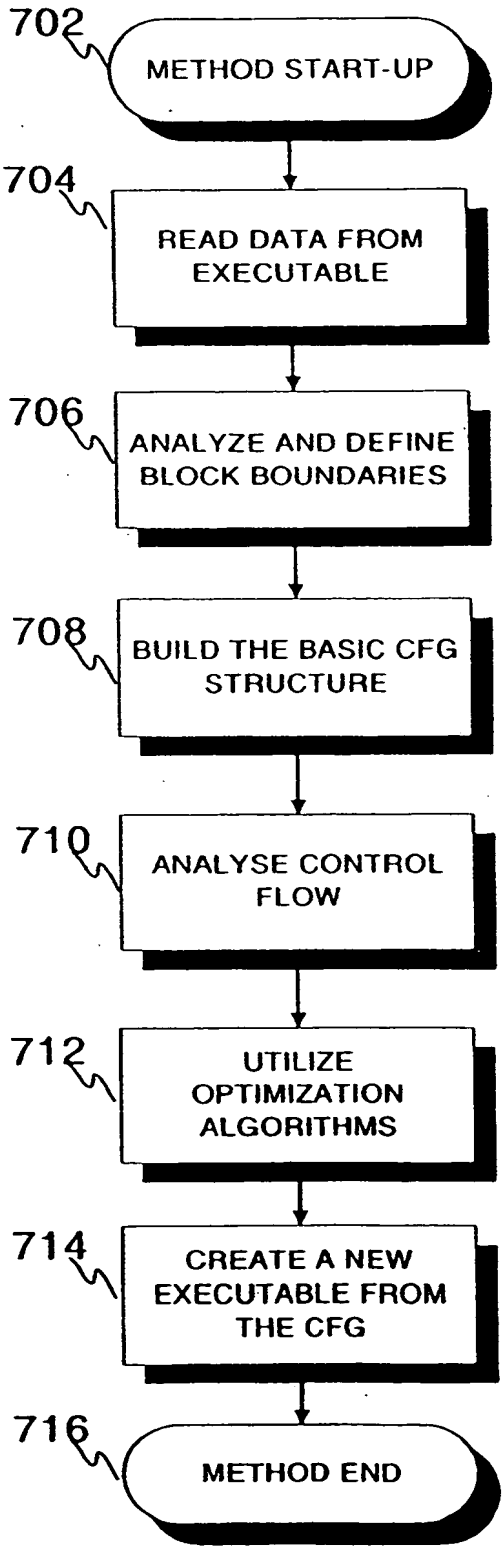
702
METHOD START-UP
704
READ DATA FROM EXECUTABLE
706
ANALYZE AND DEFINE BLOCK BOUNDARIES
708
BUILD THE BASIC CFG STRUCTURE
710
ANALYSE CONTROL FLOW
712
UTILIZE OPTIMIZATION ALGORITHMS
714
CREATE A NEW EXECUTABLE FROM THE CFG
716
METHOD END

Figure 7A

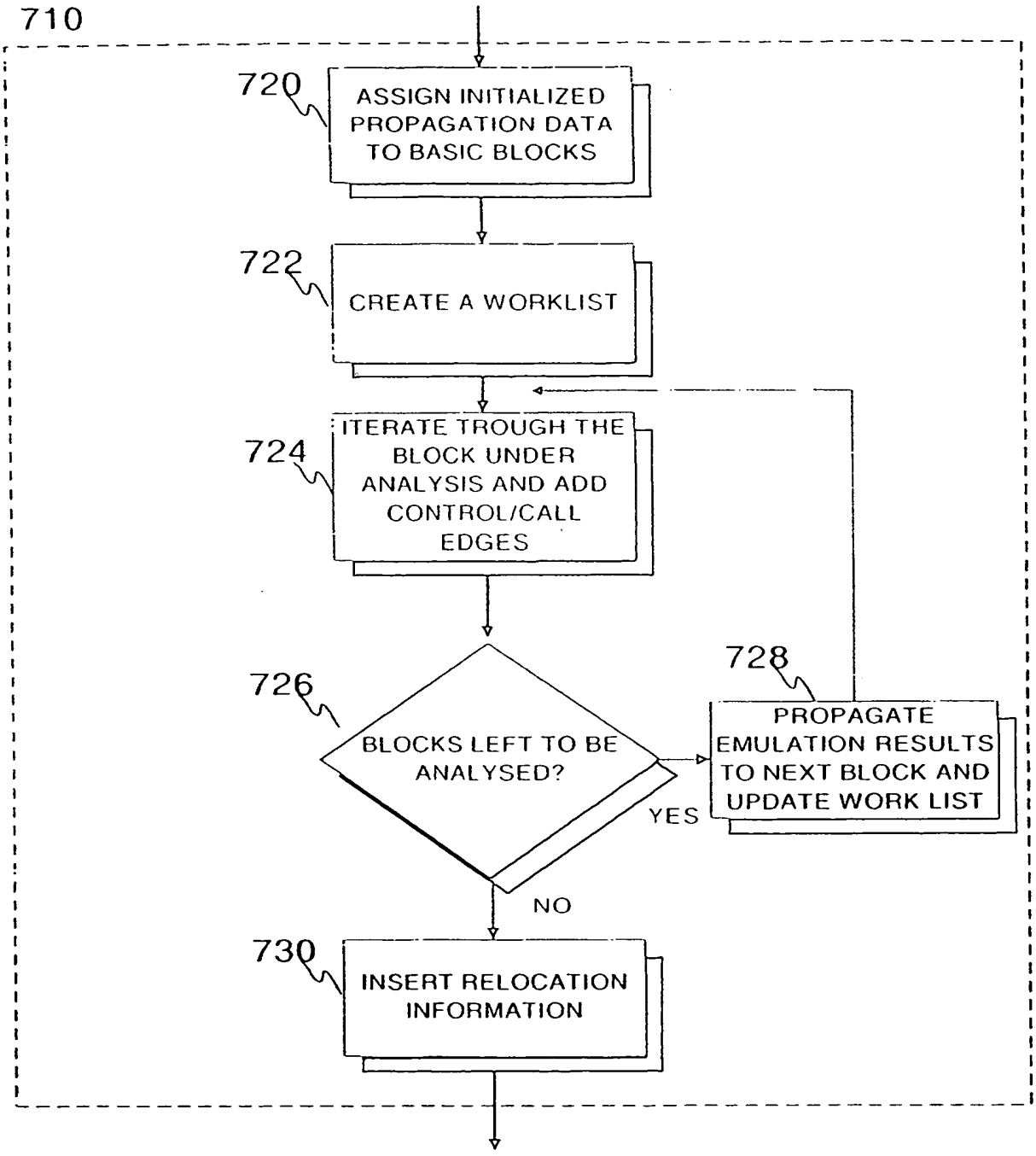
710
720
ASSIGN INITIALIZED PROPAGATION DATA TO BASIC BLOCKS
722
CREATE A WORKLIST
724
ITERATE TROUGH THE BLOCK UNDER ANALYSIS AND ADD CONTROL/CALL EDGES
726
BLOCKS LEFT TO BE ANALYSED?
YES
728
PROPAGATE EMULATION RESULTS TO NEXT BLOCK AND UPDATE WORK LIST
NO
730
INSERT RELOCATION INFORMATION

Figure 7B

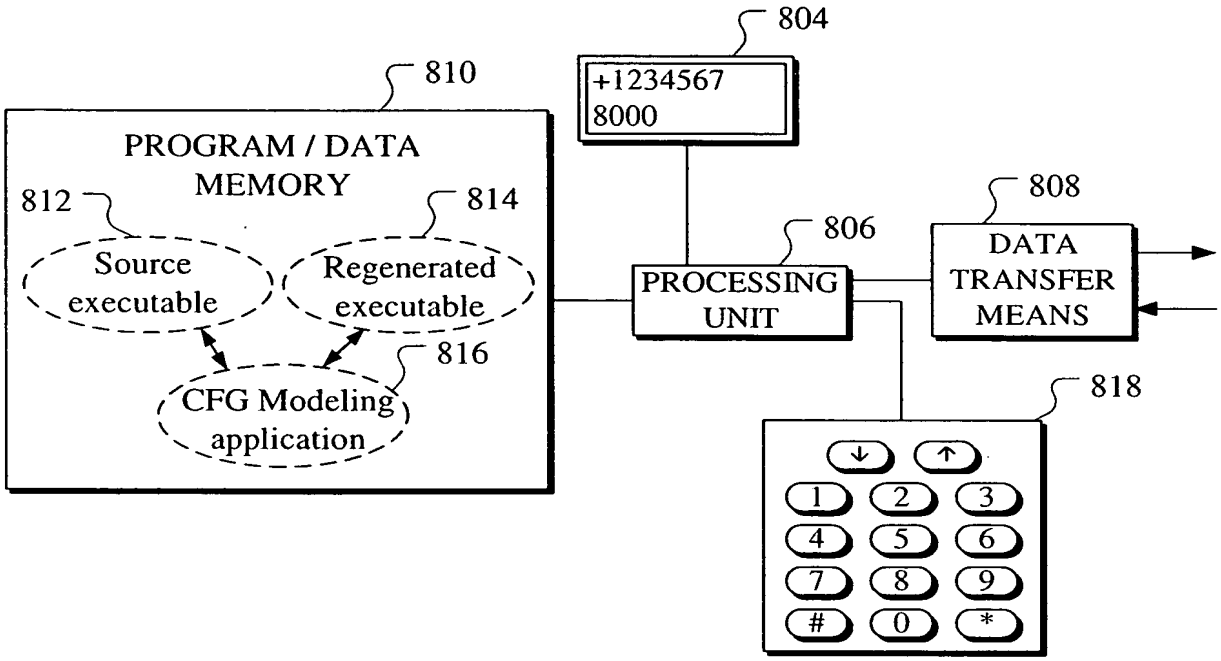

FIG. 8

FIG. 4A

FIG. 4B

FIG. 4